

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows. This listing of claims will replace all prior listings.

1. (WITHDRAWN) A bearing compartment comprising:
a housing comprising a duct;
a scavenge scoop within said housing, said scavenge scoop in communication with a first
portion of said duct; and
a settling area within said housing adjacent said scavenge scoop, said settling area in
communication with a second portion of said duct
2. (WITHDRAWN) The bearing compartment as recited in claim 1, further
comprising a partition located at least partially within said duct.
3. (WITHDRAWN) The bearing compartment as recited in claim 2, wherein said
scavenge scoop forms said partition.
- 4 (WITHDRAWN) The bearing compartment as recited in claim 2, wherein said
partition bifurcates said duct.
5. (WITHDRAWN) The bearing compartment as recited in claim 1, wherein said
settling area is downstream of said scavenge scoop relative to a rotational direction defined about
an axis or rotation.
6. (WITHDRAWN) The bearing compartment as recited in claim 1, wherein said
duct is generally parallel to said axis of rotation.
7. (WITHDRAWN) The bearing compartment as recited in claim 1, wherein said
duct communicates with an oil sump.

8. (WITHDRAWN) The bearing compartment as recited in claim 1, further comprising a shield at least partially covering said settling area.

9. (WITHDRAWN) The bearing compartment as recited in claim 1, further comprising a shield at least partially covering said settling area, said shield comprising a plurality of apertures therethrough.

10. (CURRENTLY AMENDED) An oil scavenge system for a gas turbine engine comprising:

- a housing defined about an axis of rotation, said housing ~~comprising~~ defining a duct;
- a scavenge scoop within said housing which includes an intake generally directed in a circumferential direction relative a rotational direction defined about said axis of rotation, said scavenge scoop in communication with a first portion of said duct, said scavenge scoop ~~comprising~~ defining a partition which separates said duct into forms said first portion of said duct and a second portion; and
- a settling area within said housing adjacent said scavenge scoop, said settling area in communication with a ~~said~~ second portion of said duct opposite said partition.

11. (ORIGINAL) The oil scavenge system as recited in claim 10, wherein said housing is located within a mid bearing compartment of a gas turbine engine.

12. (ORIGINAL) The oil scavenge system as recited in claim 10, wherein said settling area is downstream of said scavenge scoop relative to a ~~said~~ rotational direction defined about said axis or rotation.

13. (ORIGINAL) The oil scavenge system as recited in claim 10, wherein said duct is generally parallel to said axis of rotation.

14. (ORIGINAL) The oil scavenge system as recited in claim 10, wherein said duct is located at bottom dead center of said housing.

15. (ORIGINAL) The oil scavenge system as recited in claim 10, wherein said axis of rotation comprises a centerline of said gas turbine engine.

16. (WITHDRAWN) A method of scavenging oil within a gas turbine engine comprising the steps of:

- (1) collecting an air-oil mixture within a scavenge scoop;
- (2) communicating the air-oil mixture from the scavenge scoop to a first portion of a duct;
- (3) collecting settled air-oil mixture in a settling area adjacent the scavenge scoop the settling area downstream of the scavenge scoop relative to a rotational direction defined about an engine centerline; and
- (4) communicating the air-oil mixture from the settling area to a second portion of the duct.

17. (WITHDRAWN) A method as recited in claim 16, further comprising the step of: shielding the settling area from interfacial shear.

18. (WITHDRAWN) A method as recited in claim 16, further comprising the step of: providing flow apertures to the settling area.

19. (PREVIOUSLY PRESENTED) The oil scavenge system as recited in claim 10, further comprising a shield at least partially covering said settling area.

20. (CURRENTLY AMENDED) The oil scavenge system as recited in claim 10, wherein said ~~wherein said~~ housing is a gas turbine engine housing portion.

21. (NEW) The oil scavenge system as recited in claim 10, wherein said settling area is downstream of said scavenge scoop relative to a said rotational direction defined about said axis or rotation.

22. (NEW) An oil scavenge system for a gas turbine engine comprising:
a housing defined about an axis of rotation within which an air-oil mixture flow swirls in a circumferential direction about said axis of rotation;
a scavenge scoop within said housing which includes an intake generally directed in opposition to the circumferential direction, said scavenge scoop defining a downstream scavenger scoop wall relative said circumferential direction which forms a partition between a first duct portion and a second duct portion, said scavenge scoop in communication with said first duct portion; and
a settling area within said duct downstream of said scavenge scoop, said settling area in communication with said second duct portion.
23. (NEW) The oil scavenge system as recited in claim 22, wherein said partition bisects a duct defined between said first duct portion and said second duct portion.
24. (NEW) The oil scavenge system as recited in claim 22, wherein said housing is generally cylindrical, said scavenge scoop located within an inner wall of said housing.
25. (NEW) The oil scavenge system as recited in claim 22, wherein said housing is generally cylindrical, said scavenge scoop located within an inner wall of said housing.
26. (NEW) The oil scavenge system as recited in claim 22, further comprising a baffle which extends from said scavenge scoop generally transverse to said circumferential direction.
27. (NEW) The oil scavenge system as recited in claim 26, wherein said baffle extends from said downstream scavenger scoop wall.
28. (NEW) The oil scavenge system as recited in claim 22, wherein said duct is located at bottom dead center of said housing.

29. (NEW) The oil scavenge system as recited in claim 22, wherein said housing is located within a mid bearing compartment of a gas turbine engine, said axis of rotation comprises a centerline of said gas turbine engine.

30. (NEW) The oil scavenge system as recited in claim 22, further comprising a shield at least partially covering said settling area.

31. (NEW) The oil scavenge system as recited in claim 30, further comprising a multiple of apertures located through said shield.

32. (NEW) The oil scavenge system as recited in claim 22, wherein said duct is located at bottom dead center of said housing generally parallel to said axis of rotation.